

REMARKS

The application has been amended and is believed to be in condition for allowance.

Section 112, second paragraph

Claims 1 and 7 were amended responsive to the Section 112, second paragraph rejection. Withdrawal of this rejection is solicited.

Section 103 Rejections

Claims 1 and 7 were rejected as obvious over applicants' disclosed prior art (AAPA) in view of OKAZAKI 2002/0105747.

Claims 2 and 4 were rejected in further view of SEO EP 1 061 509.

Claim 6 was rejected as obvious in further view of MASAKI 5,732,055.

Amendments

Claims 1, 2, and 7 are amended. Support for the amendments is found at specification page 15, line 6 to page 17, line 17. No new matter is entered by way of these amendments. The claims continue to read on the elected species Group I, Figures 1 and 3.

According to the claimed invention, the recording waveform data includes that N-bit waveform data as shown in Figure 5C. The recording waveform data is a high frequency

digital signal sequence which can precisely and smoothly correct the actual signal waveform.

Why the claims are non-obvious.

As noted, the claimed invention provides the recording waveform data includes that N-bit waveform data as shown in Figure 5C and which recording waveform data is a high frequency digital signal sequence which can precisely and smoothly correct the actual signal waveform.

The prior art does not teach or suggest a recording waveform data generating unit having a strategy signal generating unit which generates a recording strategy signal based on the input recording signal and strategy information, and an N-bit signal converting unit which converts pulse signals included in the recording strategy signal into N-bit waveform data to produce the recording waveform data.

OKAZAKI merely discloses correcting the overshoot and undershoot by controlling the write current amount at the rise-up and fall-down period of the pulse signal. SEO merely teaches controlling the whole top pulse level or the whole last pulse level. Neither OKAZAKI nor SEO teaches the unit/process now recited.

As neither applied reference teaches a recording waveform data generating unit has the recited strategy signal generating unit and converting unit, the claims are non-obvious.

Reconsideration and allowance of all the claims are respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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